

The problem of bending and ...

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D242/D301

tions for static and dynamic problems of the plate on a general Winklerian foundation may be obtained. The author feels that the problem of buckling in the plate may be solved by his method. There are 24 references: 13 Soviet-bloc and 11 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: H. D. Conway, The flexure of infinite rectangular plates of varying thickness, Ing.-Arch., 1958; Z. Kaczkowski, Statics of non-homogeneous rectangular plates and Disc, non-homogeneity in elasticity and plasticity, Pergamon press, London-New York-Paris-Los Angeles, 1959; Z. Mazurkiewicz, The problem of deflection surface of rectangular isotropic and non-homogeneous plate, Bull. Acad. Polon. Sci., Cl. IV 1, 8, 1960; Z. Mazurkiewicz, Free vibration of an isotropic, non-homogeneous rectangular plate, Bull Acad. Polon. Sci., Cl. IV, 2, 8, 1960.

ASSOCIATION: Department of Mechanics of Continuous Media, IBTP
Polish Academy of Sciences

SUBMITTED: April 1, 1960
Card 8/9

MAZURKIEWICZ, Z.

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Not stated

Affiliation: Not stated

Source: Warsaw, Bulletin de l'Académie/des Sciences, Série
des Sciences Techniques, No 3, Mar 61, pp 145-153.

Data: "Buckling, Vibration and Bending of Rectangular
Simply Supported Plate Arbitrarily Loaded and
Subjected to Mass Forces Action."

MAZURKIEWICZ, Zbigniew (Warszawa)

Application of the kern trace method of integral equations
to problems of bar stability. Archiw inz lad 7 no.4:507-521
'61.

MAZURKIEWICZ, Z.

Buckling, vibration and bending of rectangular simply supported plate arbitrarily loaded and subjected to mass forces action. Bul Ac Pol tech 9 no.3:145-153 '61.

1. Presented by W. Nowacki.

(Buckling(Mechanics)) (Vibrations) (Rectangle)
(Strains and stresses)

MAZURKIEWICZ, Zbigniew, mgr inż.

Making items from copper by the electroforming method. Mechanik 34
no.8:409-411 '61.

1. Zakłady Lamp Nadawczych L 14, Warszawa.

MAZURKIEWICZ, Zbigniew (Warszawa); ZORAWSKI, Marek (Warszawa)

Effect of a sudden change of bonds on the deformation of elastic structures. Archiw inz lad 8 no.4:439-447 '62.

MAZURKIEWICZ, Zbigniew

Approximate determination of the critical force with estimated error for the buckling of a bar with variable cross section. Rozpr inż PAN 10 no. 1:191-207 '62.

1. Zakład Mechaniki Osrodkow Ciaglych, Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa.

MAZURKIEWICZ, Z.

Buckling of rectangular plate obliquely reinforced by ribs with variable flexural rigidity. Bul Ac Pol tech 10 no.6:[347]-[355] '62.

1. Presented by W.Nowacki.

MAZURKIEWICZ, Z.

Bending and buckling of rectangular plate reinforced transversely by ribs with variable rigidities. Bul Ac Pol tech 10 no.8:475-485 '62.

1. Presented by W. Nowacki.

MAZURKIEWICZ, Z.; ZORAWSKI, M.

Effect of abrupt change of constraints on deformations of elastic systems. Bul Ac Pol tech 10 no.9:549-557 '62.

1. Department of Mechanics of Structures, Technical University, Warsaw. Presented by W.Nowacki.

KRYNICKI, Edward; MAZURKIEWICZ, Zbigniew (Warszawa)

Frames composed of latticed bars of variable rigidity; bending and stability. Archiw inz lad 9 no. 4: 473-496 '63.

MAZURKIEWICZ, Z.

A certain solution of the dynamic problem of the disc made of elastic orthotropic and nonhomogenous material. Bul Ac Pol tech 11 no.1:17-26 '63.

1. Department of Mechanics of Structures, Technical University, Warsaw. Presented by W. Nowacki.

KRYNICKI, Edward; MAZURKIEWICZ, Zbigniew (Warszawa)

Bending and buckling of frames composed of solid bars of
variable lateral cross sections. Archiw inz lad 11 no.2:
191-211 '63.

MAZURKIEWICZ, Z.; SUWALSKI, L.

Bending, vibrations and buckling of shallow cylindrical shell
with variable boundary conditions. Bul Ac Pol tech 11 no.4:
171-182 '63.

1. Department of Mechanics of Structures, Technical University,
Warsaw. Presented by W.Nowacki.

KRYNICKI, E.; MAZURKIEWICZ, Z.

Buckling and bending of rane structures consisting of latticed bars with variable bending rigidity. Bul Ac Pol tech ll no. 12:793-802 '63.

1. Department of Mechanics of Structures, Building Engineering Faculty, Technical University, Warsaw. Presented by W.Nowacki.

KRYNICKI, E.; MAZURKIEWICZ, Z.

Stability and bending of frames composed of bars with variable cross sections. Bul Ac Pol tech 11 no.11:689-698 '63.

1. Department of Mechanics of Structures, Technical University Warsaw. Presented by W. Nowacki.

REF ID: A66111, Approved (Continued)

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KRYNICKI, Edward; MAZURKIEWICZ, Zbigniew

Simultaneous bending and compressing of frame systems consisting of bars of variable cross sections. Archiw inż lad 11 no.11: 28 '65.

1. Submitted October 24, 1964.

KRYNICKI, Edward; MAZURKIEWICZ, Zbigniew

Problem of bending and buckling of frames composed of lattice elements with variable bending rigidity. Rozpr inż PAN 12 no. 3:469-491 '64.

1. Technical University, Warsaw.

MAZURKIEWICZ, Zbigniew

Vibration of a nonhomogeneous orthotropic rectangular parallelepiped with boundary conditions of a special type. Archiw mech 16 no.1:33-48 '64.

1. Technical University, Warsaw.

MAZURKIEWICZ, Z.

Buckling of straight bars with arbitrarily varying flexural rigidities and under various boundary conditions. Bul Ac Pol Tech 12 no.9: 31-640 '64.

1. Department of Structural Mechanics of the Technical University, Warsaw. Submitted May 9, 1964.

L 37067-66 EWP(w) EM

ACC NR: AP6018065 (N) SOURCE CODE: PO/0033/65/017/005/0749/0766

AUTHOR: Mazurkiewicz, Z. (Warsaw)

33

ORG: Warsaw Technical University

B

TITLE: Problem of elastic bending and stability of rectangular plates reinforced with ribs of variable cross section

SOURCE: Archiwum mechaniki stosowanej, v. 17, no. 5, 1965, 749-766

TOPIC TAGS: metal rectangular plate, compressive stress, bending stress, metal deformation, elasticity, *THIN PLATE*

ABSTRACT: The article deals with the problem of elastic bending and stability of rectangular plates reinforced with ribs of variable bending and torsional rigidities normal or parallel to the direction of compression forces. The problem has been treated in the most general manner, taking into consideration the torsion of the ribs with practically no limitation on the functions describing the variability of the bending and torsional rigidity of the ribs. The results

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obtained concern thin plates reinforced with ribs arranged symmetrically in relation to the middle plane of the plate and include plates stiffened with ribs. The solution described has been obtained by assuming that the uniformly distributed compressive or tensile stresses produced by loads uniformly distributed along the edges occur in the middle plane of the plate. It has been assumed that the plate and the ribs have common bending axes, making it possible to disregard any effect of shear stresses during joint bending. It has also been assumed that the interactions between the ribs and the plate take place along straight lines and that the considerations are confined to the range of elastic stress. The solution has been reduced to an infinite set of nonhomogeneous linear algebraic equations enabling the obtaining of the coefficient of the double Fourier series describing the solution of the deformed surface of the plate. In the case of buckling, an infinite set of homogeneous linear algebraic equations has been obtained. Taking a finite number of equations and setting their principal determinant equal to zero, the author obtained a condition under which the critical load can be

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determined with the required accuracy. A number of particular cases have been determined and illustrated with a numerical example. Orig. art. has: 4 figures, 83 formulas, and 1 table. [Based on author's abstract] [NT]

SUB CODE: 11²⁰
OTH REF: 006

SUBM DATE: 15May65/

ORIG REF: 007/

SOV REF: 004/

Card 3/3

MAZURKIEWICZ, ZYGMUNT.

Uprawa jęczmienia. Warszawa, Państwowy Instytut Wydawn. Rolniczych, 1950.

P. 46 (Biblioteka rolnicza gromady) (Growing barley)

DA

Not in DLC

SO: Monthly Index of European Accessions (AEEI) Vol. 6, No. 11, November 1957

MAZURKO, V.N.

Over-all mechanization of labor consuming processes on farms.
Zhivotnovodstvo 21 no.10:54-59 0 '59. (MIRA 13:2)

1. Rukovoditel' otдела mekhanizatsii zhivotnovodstva Instituta mekhanizatsii i elektrifikatsii sel'skogo khozyaystva Akademii sel'skokhozyaystvennykh nauk BSSR.
(White Russia--Farm mechanization)
(Stock and stockbreeding)

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MAZURKO. V. N., Cand Tech Sci -- "System of steam-generating boilers for agricultural production." Minsk, 1960. (Acad Agr Sci BSSR. Inst of Mechanization and Electrification of Agriculture). (KL, 1-61, 194)

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MAZURKOWA, Alina.

Case of acute polyhydramnion treated by repeated puncture of the amnion through the abdominal layers. Gin.polska 28 no.2:201-204 Mar-Apr 1956.

1. Z Oddziału Polosniczo-Ginekologicznego Szpitala Miejskiego im. Kazimierza Dluskiego w Tomaszowie Lubelskim. Dyrektor: dr. J.Peter. Ordynator: dr. A.Mazurkova. Tomaszów Lubelski-- Szpital Miejski.

(AMNIOTIC FLUID

polyhydramnios, ther. puncture (Pol))

MAZURMOVICH, B.M.

Contribution of Kiev University scientists to the development of
zoology in the 19th and the beginning of the 20th century. Nauk.
zap.Kiev.un. 13 no.6:27-43 '54. (MLRA 9:10)

(Kiev--Zoology--Study and teaching)

MAZURMOVICH, Boris Nikolayevich; SHUL'GA, Ivan Kondrat'yevich;
~~PEROVSKAYA~~, Ye.P., redaktor; RYBIN, I.V., tekhnicheskii redaktor

[Eminent Russian zoologists; a manual for teachers in secondary schools] Vydaiushchiesia otechestvennye zoologi; posobie dlia uchitelei srednei shkoly. Moskva, Gos.uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1955. 1955. 294 p. (MIRA 9:8)
(Zoologists)

Mazurmovich, Korneev

USSR/UKRAINE/General Section - History, Classics,
Personalities

A-2

Abs Jour : Referat Zhurn. Biol. No 16, 25 Aug 1957, 67863

Author : Mazurmovich, Korneev

Title : Aleksandr Prokofevich Markevich. 50th anniversary, 25
Years Research, and 30 Years Teaching and General
Activities.

Orig Pub : Nauk. zap. Kievsk. un-ta, 1956, 15, No 4, 157-173

Abstract : Biography of Markevich (born 1905), Ukrainian zoologist
and parasitologist, associate member AN USSR, author of
150 scientific papers, chiefly on investigation of parasitic
fauna of fish and also of humans and animals. Books
published: "Fundamentals of parasitology," 1950; "Parasitic
fauna of fresh-water fish of the Ukraine SSR,"
1951, etc., and also the textbook "Animal phylogeny,"
1953. There are listed 13 works of Markevich, a list of
works issued under his direction (34 designations) and
the literature concerning them (41 designations).

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MAZURMOVICH, B. N.

MAZURMOVICH, B.N.

A.O. Kovalevskii in Kiev (from unpublished archival materials).

Trudy Inst. ist. est. i tekhn. 16:34-48 '57. (MIRA 10:10)

(Kovalevskii, Aleksandr Onufrievich, 1840-1901) (Bibliography--Zoology)

^{N.}
MAZURMOVICH, B.M. [Mazurmovych, B.M.]

State of the study of tapeworms of the family Caryophyllaeidae
in fresh-water fishes of the Ukrainian S.S. R. Nauk. zap. Kyiv.
un. 16 no.20:227-236 '57 (MIRA 13:3)
(Ukraine--Tapeworms) (Parasites--Fishes, Fresh-water)

USSR/Zooparasitology - Helminths.

G.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67495

Author : Mazurnovich, B.N.

Inst : Leningrad Society of Naturalists.

Title : Relations Between Parasitic Worms of Amphibians.

Orig Pub : Tr. Leningr. o-va yestestvoispyt., 1957, 73, No 4, 204-207.

Abstract : This is an analysis of the composition of the helminthofauna of amphibians (298 were opened) from the regions around Kiev. It has been discovered that there is an antagonistic relationship between the trematodes and the nematodes found parasitically in the intestines and the lungs. The relationship between pro~~h~~iscis worms and nematodes on one hand and trematodes on the other, leaves a synergetic character.

Card 1/1

MAZURMOVICH, B.N., dotsent

Life and activities of A.A. Korotnev, professor at the Kiev
University. Trudy Inst. 1st. est. 1 tekhn. 24:196-211 '58.

(MIRA 11:8)

1. Kiyevskiy gosudarstvennyy universitet.
(Korotnev, Aleksei Alekseevich, 1852-1915)

MAZURMOVICH, B.N.

"Valerian Viktorovich Polovtsov, his life and works" by B.E. Raikov.
Reviewed by B.N. Mazurmovich. Biul. MOIP. Otd. biol. 63 no. 4: 145-146
Jl-Ag '58 (MIRA 11:11)
(POLOVTSOV, VALERIAN VIKTOROVICH, 1862-1918)
(RAIKOV, B.E.)

MAZURMOVICH, B.N.

Materials on the parasite fauna of amphibians in the Soviet Carpathians.
Nauk. zap. UzhGU 40:293-299 '59. (MIRA 14:4)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko.
(Carpathian Mountain region—Parasites)
(Parasites—Amphibia)

MAZURMOVICH, Boris Nikolayevich; PETROVSKAYA, L.P.. red.; KORNEYEVA,
V.I., tekhn.red.

[Outstanding Russian zoologists; manual for teachers of secondary
schools] Vydaiushchiesia otechestvennye zoologi; posobie dlia
uchitelei srednei shkoly. Moskva, Gos.uchebno-pedagog.izd-vo M-va
prosv.RSFSR, 1960. 426 p. (MIRA 13:6)
(Zoologists, Russian)

MAZURMOVICH, B.N., dotsent

Material for a biography of Nikolai Vasil'evich Bobretskii; on
the 50th anniversary of his death. Trudy Inst.ist.est.i tekhn.
31:304-325 '60. (MIRA 13:8)

1. Kiyevskiy gosudarstvennyy universitet.
(Bobretskii, Nikolai Vasil'evich, 1843-1907)

MAZURMOVICH, B.N.

"Development of methods in natural science" by V.N.Fedorova.
Reviewed by B.N.Mazurmovich. Biul. MOIP. Otd. biol. 65 no.1:
155-157 Ja-F '60. (MIRA 13:7)
(NATURAL HISTORY—STUDY AND TEACHING) (FEDOROVA, V.N.)

MAZURMOVICH, B.N., dotsent

Life and work of the zoologist. Trudy Inst. ist. est. i tekhn.
41:237-256 '61. (MIRA 15:2)

1. Kiyevskiy gosudarstvennyy universitet.
(Sovinskii, Vasilii Karlovich, 1853-1917)

MAZURMOVICH, B.N.

"Karl Baer, his life and work" by B.E.Raikov. Reviewed by
B.N.Mazurmovich. Biul. MOIP. Otd. biol. 69 no.1:143-144 Ja-F
'64. (MIRA 17:4)

MAZURMOVICH, B.N., otv. red.; BOSHKO, G.V., red.; GUSHCHA, G.I.,
red.; SMORGORZHEVSKAYA, L.A., red.; FEDORENKO, I.A.,
red.; ANDRIYCHUK, M.D., red.; KAS'YAN, S.N., red.

[Parasites and parasitoses in man and animals] Parazity
i parazitozy cheloveka i zhivotnykh. Kiev, Naukova dumka,
1965. 411 p. (MIRA 18:9)

1. Akademiya nauk URSS, Kiev. 2. Kiyevskiy gosudarstvennyy
universitet (for Mazurmovich). 3. Institut zoologii AN Ukr.SSR
(for Boshko).

MAZURMOVICH, V.

[Parasitic worms of the amphibia; their relations with the host and the external surroundings] Paraziticheskie chervi amfibi, ikh vzaimootnosheniia s kheziasvami i vneshnei sredoi. Izd-vo Kievskogo gos. univ. im. T.G.Shevchenko, 1951, 96 p. (MLBA 9:4)

(Worms, Intestinal and parasitic) (Amphibia)

MAZURKOVICH, Z. N.

Dissertation: "Spatial Stability of Thin-Walled Curvilinear Rods." Cand Tech Sci, Inst of Construction Mechanics, Acad Sci Ukr SSR, Kiev, 1953. (Referativnyy Zhurnal--Mekhanika, Moscow, Apr 54)

SO: SUM 243, 19 Oct 1954

MAZURMOVICH, Z.N.

General equation for stability and strength of thin-walled
curved bars. Sbor. trud. Inst. stroi. mekh. AN URSS no.21:
5-13 '56. (MLRA 9:12)

(Strains and stresses)

MAZURO, G.F.

Sarcoma of the thymus. Khirurgiia no.8:79 Ag. '55. (MIRA 9:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki Minskogo meditsinskogo
instituta.

(THYMUS GLAND--TUMORS)

MAZURO, G.F.; MARCHENKO, L.O.

Treatment of candidomycosis in the postoperative period. Zdrav.
Belor. 5 no.8:37-39 Ag '59. (MIRA 12:10)

1. Gospi'tal'naya khirurgicheskaya klinika (zaveduyushchiy -
dotsent I.M.Stel'mashonok), kafedra mikrobiologii (zaveduyushchiy -
prof.B.Ya.El'bert) Minskogo medinstituta i Institut' nevrologii,
neyrolchirurgii i fizioterapii (nauchnyy rukovoditel' - prof.
D.A.Markov).

(MONILIASIS)

MAZURO, G.F.

Some biochemical data on the blood and urine of patients operated on for cicatricial stenosis of the esophagus and stomach.
Zdrav. Belor. 6 no. 5:45-47 My '60. (MIRA 13:10)

1. Kafedra gosspital'noy khirurgii (zaveduyushchiy - dotsent I.M. Stel'mashonok) Minskogo meditsinskogo instituta.
(STOMACH--SURGERY) (ESOPHAGUS--SURGERY) (BLOOD--EXAMINATION)
(URINE--ANALYSIS AND PATHOLOGY)

MAZURO, G.F.

Carbohydrate metabolism in patients operated on for cicatricial stenosis of the esophagus and stomach following a chemical burn. Zdrav. Bel. 7 no. 4:42-43 Ap '61. (MIRA 14:4)

1. Kafedra gospiatal'noy khirurgii (zaveduyushchiy I.M. Stel'-mashonok) Miniskogo meditsinskogo instituta.

(CARBOHYDRATE METABOLISM)

(ALIMENTARY CANAL—WOUNDS AND INJURIES)

STEL'MASHONOK, I.M.; MAZURO, G.F. (Minsk, ul. Krasnaya, d.19, kv.56)

Late results of surgical treatment of cicatricial stenosis of the stomach and esophagus observed by X-rays. Vest. rent. i rad. 36 no.4:50-52 J1-Ag '61. (MIRA 15:2)

1. Iz kafedry gospital'noy khirurgii (zav. I.M.Sterl'mashonok) Minskogo meditsinskogo instituta.
(ESOPHAGUS--SURGERY) (STOMACH--SURGERY)

MAZUROK, A.A., Cand Med Sci -- (diss) "Role of chemical
factors of ^{internal} ~~inner~~ environment in nervous effects ^{on} ~~an~~ the
heart." L'vov, 1958, 16 pp. (L'vov State Med Inst) 120 copies
(KL, 32-58, 112)

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MAZUROK, A.A.

Specific features of the effect produced on cardiac activity by
stimulating efferent cardiac nerves following glucose administration.
Fiziol. zhur. [Ukr.] 5 no.5:622-627 S-O '59 (MIRA 13:3)

1. L'vovskiy meditsinskiy institut, kafedra normal'noy fiziologii.
(NERVES, CARDIAC) (GLUCOSE)

MAZUROK, A.A.

Influence of lactic acid on the function of the myocardium in
frogs. Fiziol. zhur. 46 no.3:326-332 Mr '60. (MIRA 14:7)

1. From the Department of Physiology, Medical Institute, L'vov.
(HEART) (LACTIC ACID—PHYSIOLOGICAL EFFECT)

MAZUROK, A.A.

Influence of urea on the effects of nerve actions on the heart muscle. Biul. eksp. biol. i med. 52 no.7:15-17 J1 '61. (MIRA 15:3)

1. Iz kafedry normal'noy fiziologii (zaveduyushchiy - prof. Ya.P. Sklyarov) L'vovskogo meditsinskogo instituta. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Parinyu.

(UREA—PHYSIOLOGICAL EFPEC)
(SYMPATHETIC NERVOUS SYSTEM)

(HEART—MUSCLE)
(VAGUS NERVE)

MAZUROK, M.

Potato fields are well protected. Zashch. rast. ot vred.
i bol. 5 no.1:37 Ja '60. (MIRA 14:6)

1. Otvetstvennyy za obsledovatel'skiye raboty po Kozoskomu
rayonu, Ternopol'skoy oblasti.
(Ternopol Province—Potatoes—Diseases and pests)

MAZUROK, S., inzhener; TULOVSKIY, M., inzhener.

Mechanizing track work in strip mining. *Mast.vgl. 3 no.5:10-11 My '54.*
(MLRA 7:6)

(Mine railroads)

MEZHUYEV, S.F.; GLINSKIKH, V.A., starshiy elektromekhanik; MYASHNIKOV,
A.Ya., elektromekhanik; MAZUROK, V.S.

From the editor's mail. Avtom., telem. i svyaz' 4 no.1:44
Ja '60. (MIRA 13:4)

1. Nachal'nik Aktyubinskoy distantzii signalizatsii i svyazi
Kazakhskoy dorogi (for Meshuyev). 2. Sverdlovskaya distantsiya
signalizatsii i svyazi Sverdlovskoy dorogi (for Glinskih).
3. Grodnenskaya distantsiya signalizatsii i svyazi Belorusskoy
dorogi (for Myasnikov). 4. Starshiy inzhener proyektno-
konstruktorskogo byuro "Metallurgavtomatika" (for Mazurok).
(Railroads—Communication systems)
(Railroads—Signaling)

MAZUROK, V.S.

Improve the designing and manufacturing of apparatus for
automatic control of mine transportation. Gor. zhur. no.10:24-
25 0 '61. (MIRA 15:2)

1. Rukovoditel' gruppy Dnepropetrovskogo proyektnogo instituta
Metallurgavtomatika.

(Mine haulage)

(Automatic control)

CM

Means for raising the output of kilns. D. Ya. Masurov.
Tsiement 17, No. 1, 11-12(1951).—Cement kilns 150 m.
long produced 82.5 kg./sq. m./hr. of clinker; shorter kilns
of the same diam. produced 60-61 kg./sq. m./hr. The
output of the kiln can be increased by increasing the length
of the flame (use of one injector instead of two, and an
outlet velocity of 60 m./sec.), increasing the size of the
powd. coal to 80-100 μ , increasing the draft to give 65-70
mm. of H₂O in the dust chamber, drying the coal in a closed
cycle, maintaining the ratio of secondary to primary air at
1.3, and increasing the heat exchange by providing cast
iron plates in the chain zone. At Hovsch

NIKOLAYEV, Fedor Fedorovich; ROMANOV, S.A.; MAZUROV, D.Ya.

[High clinker production in 150 meter rotary kilns] Vysokie s"emy klinkera na 150-metrovykh vrashaiushikhsia pechakh. [Literaturnaya zapis' S.A.Romanova i D.IA.Mazurova] Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1952. 89 p. (MLBA 6:7)
(Cement)

МАИПОВ, Д. ЯА, Eng.

Heat Exchangers

New heat exchangers. TSement 18 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952.

UNCLASSIFIED.

MAZUROV, D. Ya.; ZAVADSKIY, Ya. M.; Engs.

Cement Kilns

Increasing the output of automatic shaft furnaces. TCement 19, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

MAZUROV, D. Ya.

Chemical Abst.
Vol. 48 No. 6
Mar. 25, 1954
Cement, Concrete, and Other
Building Materials

①
Cooling the sintering zone by installing ribs on the surface of the rotary kiln. D. Ya. Mazurov. *Cement* 19, No. 5, 20-5 (1953).—Advantages and disadvantages of various methods of cooling rotary cement kilns are reviewed, and the use of ribs on the kiln surface is analyzed. Calculations of heat transfer indicate that use of ribs creates favorable conditions for adhesion of protective coating on surface of chrome-magnesite lining.
B. Z. Kamich

MA
7-14-54

MAZUROV, D. Ya.

MAZUROV, D.Ya., inzhener; SHCHEPKIN, N.V.

[The road to increased production; experience of the Belgorod cement manufacturers] Po puti sovershenstvovaniia proizvodstva; iz opyta belgorodskikh tsementnikov. [Sostaviteli broshiury, a takzhe avtory vvodnoi stat'i D.IA. Mazurov i N.V.Shchapkin.] Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1954. 77p. (MLRA 7:7)
(Belgorod--Cement industries)

MAZUROV, D.Ya., inzhener.

Insulating heat exchangers. TSement 20 no.4:7-9 J1-Ag '54.
(Cement kilns) (MLRA 7:9)

MAZUROV, D. Ya.
DIMENT, P.M., inzhener.

Remarks on D.IA.Mazurov's article "Shielding heat exchangers."
P.M.Diment. Tsement 20 no.5:29 S-0 '54. (MIRA 7:11)
(Mazurov, D.IA.) (Heat exchangers)

Mazurov D Ya
KRAYUSHKIN, I.F., inzhener; MAZUROV, D.Ya., inzhener

Automatic method of determining the dust content in rotary kiln
flue gases. TSement 21 no.4:24-25 Ag'55. (MLRA 8:11)
(Kilns, Rotary)

GRECHUSHNIKOV, S.Ya., inzhener; KOSHELENKO, V.I., inzhener; MAZUROV, D.Ya.,
inzhener; ZAVODSKIY, Ya.M., inzhener

Obtaining rapid-hardening cement from the fine particles retained
in bag filters. TSement 21 no.5:25-27 S-0 '55. (MIRA 9:1)
(Cement industries)

Mazurov, D.Ya.

MAZUROV, D.Ya., inzh.

Using firebrick linings in the high-temperature zones of rotary
kilns. Trudy NIISement no.10:3-38 '57. (MIRA 10:12)
(Firebrick) (Kilns, Rotary)

MAZUROV, D.Ya., dotsent

Method of determining the thermophysical characteristics of cement
clinker at different temperatures. Nauch. soob NIITSetenta no.9:
9-12 '60. (MIRA 14'5)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.
(Cement clinkers)

VOROB'YEV, Kharlampiy Sergeyevich; MAZUROV, Dmitriy Yakovlevich;
KHOKHLOV, V.K., retsenzents; KHRUSTALEVA, N.I., red.;
YEZHKOVA, L.L., *tekhn.* red.

[Heat-engineering calculations for cement kilns and instruments]
Teplotekhnicheskie raschety tsementnykh pechei i apparatov. Mo-
skva, Vysshaya shkola, 1962. 349 p. (MIRA 16:4)

1. Rukovoditel' laboratorii obzhiga Vsesoyuznogo nauchno-
issledovatel'skogo instituta tsementnoy promyshlennosti (for
Khokhlov).

(Cement industries--Equipment and supplies)

MAZUROV, D.Ya.

Gas dynamics and heat transfer in a coarse-grained fluidized
bed. Inzh.fiz.zhur. 5 no.1:13-20 Ja '62. (MIRA 15:3)

1. Institut khimicheskogo mashinostroyeniya, Moskva.
(Fluidization) (Gas dynamics) (Heat--Transmission)

MONASTYREV, A.V.; MAZUROV, D.Ya.; VOROB'YEV, Kh.S.; RUTMAN, D.S.

Burning clays in a turbulent layer. Ogneupory 30 no.1:9-13 '65.
(MIRA 18:3)

1. Moskovskiy institut khimicheskogo mashinostroyeniya (for Monastyrev, Mazurov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nykh materialov i konstruktsiy Gosudarstvennogo komiteta po stroitel'nykh materialam (for Vorob'yev). 3. Podol'skiy zavod ogneupornykh izdeliy (for Rutman).

AKOPYAN, L.A.; VARYGIN, N.N.; GUTAREV, V.V.; ZYKOV, D.D.; KARAVAYEV, N.M.;
KONDUKOV, N.B.; LASTOVTSEV, A.M.; MAKAROV, Yu.I.; MAZUROV, D.Ya.;
MARTYUSHIN, I.G.; MASLOVSKIY, M.F.; NIKOLAYEV, P.I.; PLANOVSKIY,
A.N.; RYCHKOV, A.I. [deceased]; CHEKHOV, O.S.; KHVAL'NOV, A.M.;
SHAKHOVA, N.A.

Theory and practice of heterogeneous processes in a fluidized
bed. Trudy MIKHM 26:3-22 '64. (MIRA 18:5)

VOROB'YEV, Kh.S.; KRZHEMSKIY, S.A.; KRUPIN, A.A.; MAZUROV, D.Ya.;
NIKITIN, A.A.

Burning lime in suspension. Stroi. mat. 11 no.1:4-8 Ja '65.
(MIRA 18:6)

VOROB'YEV, Kharlampiy Sergeyevich; MAZUROV, Dmitriy Yakovlevich;
SOKOLOV, Aleksey Aleksandrovich. Prinimali uchastiye
SEVAST'YANOV, Ye.F.; FUFAYEVA, G.I., red.

[Heat-engineering processes and the equipment of silicate
using industries] Teploekhnologicheskije protsessy i ap-
paraty silikatnykh proizvodstv. Moskva, Vysshaya shkola,
1965. 772 p. (MIRA 18:8)

MAZUROV, G.P.

Physicomechanical properties of glacial soils. Uch.zap.Len.un.
no.159:110-141 '53. (MLRA 9:6)
(Drift)

MAZUROV, G.P.

Composition and properties of interphasic subsoils in the south-eastern section of the Lake Onega region. Uch.zap.Len.un. no.209: 151-178 '56.

(MLRA 9:8)

(Onega region--Soil physics)

MAZUROV, G. P.

Mazurov, G. P. "On the vibration method of compacting ground," *Gidrotekhn. stroit-vo*, 1949, No. 4, p. 34-35, - Bibliog: 6 items.

So: U-3736, 21 May 1953, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

MAZUROV, G.P.

Behavior of moisture during the freezing of soils in the winter-
time. Vest.LGU 15 no.12:73-81 '60. (MIRA 13:6)
(Soil moisture)

MAZUROV, G.P.

Cover sediments in the northern part of the European U.S.S.R.
Izv.vys.ucheb.zav.; geol. i razv. 4 no.11:129-132 N '61.

(MIRA 15:2)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
(Russia, Northern--Sediments (Geology))

MAZUROV, G.P.

Formation of the basic moraine. Vest. LGU 18 no.18:169-172 '63.
(MIRA 16:11)

MAZUROV, Grigoriy Petrovich; DOKUCHAYEV, V.V., kand. tekhn. nauk,
nauchn. red.

[Physical and mechanical properties of frozen ground;
methods of determining and employing them in calculations]
Fiziko-mekhanicheskie svoistva merzlykh gruntov; metody
opredeleniia i ispol'zovaniia v raschetakh. Leningrad,
Stroiizdat, 1964. 164 p. (MIRA 17:12)

MAZURCV, G.I.; TILSON, W., Ye.S.

Change in the composition and properties of soils after repeated
freezing. Vest. Vost. 19 n. 18: 74-76, 1961.

(MIRA 17:1)

L 39936-65 EWT(1) GW

ACCESSION NR: AP5001040

S/0307/64/000/003/0035/0044

AUTHOR: Mazurov, G. P.; Tikhonova, Ye. S.

7
B

TITLE: Transformation of the composition and properties of soils during repeated freezing

SOURCE: Leningrad, Universitet, Vestnik. Seriya geologii i geografii, no. 3, 1964, 35-44

TOPIC TAGS: soil mechanics, permafrost, soil composition, soil property, soil freezing, soil structure

ABSTRACT: Specimens of sandy and clay soils were frozen and thawed under controlled conditions in the laboratory and then inspected under a binocular microscope to determine any changes caused by this treatment. Wet sands were found to disintegrate under repeated freezing and thawing, and fractions larger than 0.25 mm disintegrated most rapidly. Within the frozen layer, the particles of sand were sorted by size, the larger fractions migrating to the surface of the freezing layer, and the finer particles accumulating at the base. Artificially prepared particles of feldspar and quartz, when frozen and thawed 700 times, underwent significant transformation: crystal faces were smoothed, the number of cracks increased, and silt fractions appeared. The microaggregate granulometric com-
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ACCESSION NR: AP5001040

position, plastic properties, and maximum molecular moisture content of clay soils were not changed by repeated freezing and thawing, and irreversible coagulation of even the finest clay particles did not occur. Orig. art. has: 6 tables.

ASSOCIATION: none

SUBMITTED: 15Dec63

ENCL: 00

SUB CODE: ES

NO REF SOV: 000

OTHER: 000

Card 2/2

MAZUROV, G.P.

Prominent scientist in the field of soil science; in memory of
Pavil. Onufrievich Botchenko, 1913-1964. Vest.LGU 20 no.12:1146-
147 '65.

(MIRA 18:8)

STASHEVSKIY, V.; MAZUROV, I.

Underwater sport at a new stage. Voen. znan. 41 no.8:41-42 Apr 5.
(MIRA 13:7)

1. Otvetstvennyy sekretar' Federatsii podvodnogo sporta SSSR (for Stashevskiy). 2. Glavnyy trener Federatsii podvodnogo sporta SSSR (for Mazurov).

ACCESSION NR: AP4020047

S/0032/64/030/003/0316/0316

AUTHORS: Dmitriyev, Yu. V.; Mazurov, I. V.; Ivannikov, V. I.

TITLE: Electrical polishing and etching of SAP [sintered aluminum powder]

SOURCE: Zavodskaya laboratoriya, v. 30, no. 3, 1964, 316

TOPIC TAGS: aluminum powder, sintered aluminum powder, electrical polishing, electrical etching, structure, SAP

ABSTRACT: Electrical polishing followed by electrical etching was used to disclose the structure of sintered aluminum powder. Electrical polishing was accomplished by removing a mechanically deformed layer by anodic decomposition until the surface of the metal was smooth and free of structural distortions. The electrolyte consisted of H_2PO_4 (1.7), 300 ml; H_2SO_4 (1.8), 100 ml; CrO_3 , 40 g; and H_2O , 40 ml. A current of 80-100 amp/dm² was used, and the solution was stirred throughout the process. The work was considered finished when a microscopic examination showed the surface to be sufficiently smooth. Etching was accomplished in the same solution but with a current of 10-15 amp/dm². The polished plate was then washed

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ACCESSION NR: AP4020047

with warm water, fixed in concentrated HNO_3 , and chilled in cold water. Orig. art. has: 2 microphotographs.

ASSOCIATION: Moskovskiy aviatsionnyy tekhnologicheskii institut (Moscow Institute of Aviation Technology)

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

Card 2/2

MAZUROV, Kirill Trofimovich

[The 40th anniversary of the White Russian S.S.R. and the Communist Party of White Russia; a report at the solemn meeting of the Supreme Soviet of the White Russian S.S.R. and the Central Committee of the Communist Party of White Russia on January 3, 1959] Sorok let Belorusskoi SSR i Kompartii Belorussii; doklad na torzhestvennom zasedanii Verkhovnogo Soveta BSSR i TsK KP Belorussii 3 ianvaria 1959 g. Minsk, Gos.izd-vo BSSR, 1959. 31 p. (MIRA 13:4)
(White Russia--Economic conditions)

MAZUROV, Kirill Trofimovich

[Speech at the 22d Congress of the CPSU, October 19, 1961] Rech'
na XXII s"ezde KPSS, 19 oktiabria 1961 goda. Moskva, Gos. izd-vo
polit. lit-ry, 1961. 23 p. (MIRA 14:11)
(Communist Party of the Soviet Union)
(White Russia—Economic conditions)

MAZUROV, M.K.

BEL'KOV, I.V.; GOBUNOV, G.I.; IVANOVA, T.N.; KOZLOV, Ye.K.; MAZUROV, M.K.;
NAMOYUSHKO, V.I.; SAKHAROV, A.S.; TENNER, D.D.; GOBUNOV, G.I.,
kand. geol.-mineral. nauk, red.; DUBYAGO, V.M., tekhn. red.

[Mineral wealth of the Kola Peninsula] Bogatstva neдр Kol'skogo
poluostrova. Murmansk, Knishnaia red. "Poliarnoi pravdy," 1957.
128 p. (MIRA 11:10)

(Kola Peninsula—Mineralogy)

MAZUR, M.K.

~~Prospects for utilizing Kevv cyanites. Izv. Kar. i Kol'sk. fil. AN~~
SSSR no. 1:100-105 '57. (MIRA 11:7)

1. Geologicheskii institut Kol'skogo filiala AN SSSR.
(Kola Peninsula--Cyanite)

MAZUROV, M.K.

Technical and economic prerequisites for utilizing heavy kyanites in the production of aluminum and its alloys using power from projected hydroelectric stations in the Yenisey Valley. Trudy Vost.-Sib. fil. AN SSSR no.13:86-90 '58. (MIRA 12:12)

1. Kol'skiy filial AN SSSR.
(Kola Peninsula--Kyanite)
(Aluminum)
(Yenisey Valley--Hydroelectric power stations)

MAZUROV, M. K.

Developing and distributing the mining and processing
industries on the bases of Kola mineral resources. Prob.
Sev. no. 5356-67 '63. (MIRA 16:11)

1. Kol'skiy filial AN SSSR.

L 32902-66

ACC NR: AT6023833

SOURCE CODE: UR/2925/64/000/010/0040/0050
29
241

AUTHOR: Mazurov, M. K.; Iskritskiy, N. A.

ORG: Kola Branch, AN SSSR (Kol'skiy filial AN SSSR)

TITLE: Problems in developing large-panel prefabricated home building in Murmansk Oblast

SOURCE: AN SSSR. Komissiya po problemam severa. Problemy severa, no. 10, 1964, 40-50

TOPIC TAGS: general construction, cost estimate, industrial development, cement, construction material, mineral, economic development, structural engineering, labor

ABSTRACT: Experience shows that 10 to 15% in costs and 30 to 40% in labor can be saved by using prefabricated large-panel home construction instead of on-site piecemeal construction. Home-building forecasts in Murmansk Oblast indicate continuing increases, ranging from 220,000 m² in 1962 to 900,000 m² annually in the period from 1970 to 1980. Labor costs at the edge of the Arctic Circle are almost 80% greater than in the mid-latitudes of the USSR, and over-all costs tend to rise even more due to the severe climatic conditions when piecemeal construction methods are used. The suggested prefabrication techniques require the solution of problems involved in building the large panels and in finding effective building and thermal insulation materials.

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ACC NR: AT6023833

These problems can either be assigned to the home-building activities in Leningrad and Moscow, or by organizing production centers in Murmansk Oblast'.

Advantages of developing this industry in Murmansk include the production of portland cement from the byproducts of double superphosphate manufacture. Also, Murmansk has one of the largest deposits of vermiculite in the Soviet Union. Large local deposits of other materials can provide adequate supplies for silicate manufactures, thereby eliminating the expense of transportation. Comparative cost tables are given for various materials manufactured in the three suggested regions, showing that although initial manufacturing costs are higher in Murmansk than in Leningrad or Moscow, transportation costs invariably make the latter's materials more expensive by 42 and 59% respectively.

To achieve the norm of 12 m² per person, 12 million m² of housing is required, which means that 8.2 million m² must be built, as well as 1.9 million m² of public buildings. Murmansk Oblast' has the potential of pre-fabricating large-scale panels for 70 thousand m² of housing, while Apatitstroy Trust has the potential of 35 thousand m². Costs at these shops is high owing to considerable hand-work required in the production of large reinforced concrete panels, vermiculite-filled joists and beams, aerated concrete insulation, cinderblock, foamed glass, and semirigid slag plates.

Comparative current and projected production figures are given for several regions, and economic factors and costs involved in various pre-fabricated designs are discussed in detail. Establishment of adequate

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L 32902-66

ACC NR: AT6023833

prefabricated housing plant facilities in Murmansk would cost 35% more (497 thousand rubles) than equal facilities in the mid-latitudes of the USSR, but this capital outlay would be returned within 5 to 7 months by the savings realized in comparison with costs of supplying the necessary construction materials from Moscow and Leningrad. Orig. art. has: 5 tablos.

[JPRS]

SUB CODE: 05, 11, 13 / SUBM DATE: none

Card 3/3